



To speak with an
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Washington, DC
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HTTP://www.epa.
gov/buildings

AN ENERGY STAR BUILDINGSSM AND GREEN LIGHTS[®] CASE STUDY FOR Connetquot Central School District

Project Director

Keith Anderson,
Director of Plant and Facilities

Partner Since

1994

Total Committed Square Footage

789,300

Location

Bohemia, NY

*"The ENERGY STAR BuildingsSM
and Green Lights[®] implementa-
tion was easy with the help of
tools supplied by EPA, and we
started to see savings in months
after the upgrades were complet-
ed."*

– Keith Anderson,
Director of Plant and Facilities



Connetquot Central School District's
initial success in the U.S.

Environmental Protection Agency's
(EPA) Green Lights[®] Partnership
spurred it to adopt an environmental
slogan, "Saving Energy through
Education," and continue to enhance
its environmental and energy-efficiency
efforts through participation in EPA's
ENERGY STAR BuildingsSM Partnership.

Committed to its slogan, the school dis-
trict ensures that all staff are kept up-to-
date on its energy-efficiency progress by
publicizing its successes in the school
district's newspaper.

Connetquot Central School District's
facilities are made up of a district
administration building, a high school,
two junior high schools, and seven ele-
mentary schools. As part of its agree-
ment with the Green Lights
Partnership, the school district has
upgraded lighting in two of these facili-
ties and plans to upgrade additional
facilities for more energy savings.

			Progress to Date
Project Costs	Total Expenditures		\$694,555
	Dollars Per Square Foot		\$1.63
	Total Square Footage Upgraded		426,222
	Percent Upgraded		54%
Cost Savings	Annual Dollar Savings		\$201,516
	Dollar Savings Per Square Foot		\$0.47
	Internal Rate of Return (IRR)		36%
Energy Savings	Annual kWh Savings		1,536,853
Pollution Prevention	Annual Carbon Dioxide (lbs.)*		1,705,788
	Equivalent Cars off the Road		171
	Equivalent Acres of Trees Planted		233



Tools provided by the ENERGY STAR Buildings and Green Lights Partnership, like the ReportKalc software, were instrumental in helping the school district pinpoint areas that would benefit from the upgrades.

The ENERGY STAR Buildings and Green Lights strategy helped the school district identify inefficiencies and develop a plan for system replacements. Some of the changes to its systems included a co-generation unit, absorption chillers, modular boilers, energy-efficient windows, and motion sensors that shut systems off when facilities are unoccupied. As a result of the energy-efficiency efforts, Connetquot's realized a \$386,000 savings in its annual electricity bill.

The money saved by the upgrades helped to purchase more books and computers for the schools. Teachers, students, and community members congratulated the school district's efforts to save money, increase the comfort and appearance of the schools, and help protect the environment.

By installing energy-efficient lighting and building technologies, the school district is reducing the amount of air pollutants emitted into the community. With only 62 percent of its lighting upgrades and 38 percent of its buildings upgrades completed, the school district has already helped prevent the pollution of 1.7 million pounds of carbon dioxide.

Connetquot Central School District is doing more than "Saving Energy through Education;" it also is saving the environment.